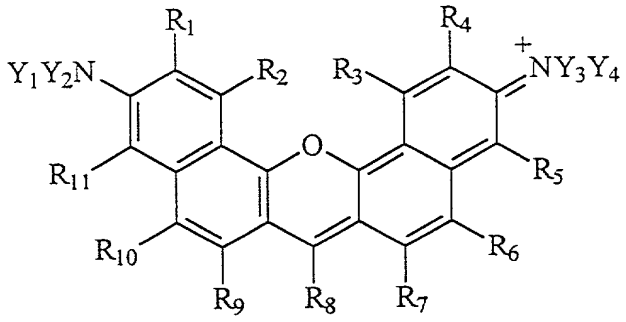
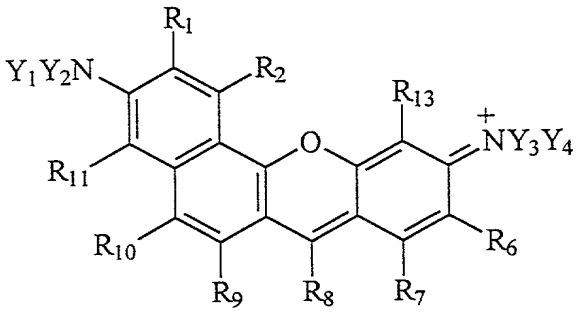
WE CLAIM:

1. An extended rhodamine compound having the structure



or,



wherein

R_1 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, $-S(O)R$, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_1 taken together with R_2, Y_1, or Y_2 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_2 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_2 taken together with R_1 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_3 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_3 taken together with R_4 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_4 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, -

$P(O)O_2RR$,-C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_4 taken together with R_3, Y_3, or Y_4 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_5 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_5 taken together with R_6, Y_3, or Y_4 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_6 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_6 taken together with R_5, R_7, Y_3, or Y_4 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or

more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_7 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_7 taken together with R_6 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_8 is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1;

R_9 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_9 taken together with R_{10} is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1,

aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_{10} taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_{10} taken together with R_9 or R_{11} is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_{11} taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_{11} taken together with R_{10}, Y_1 or Y_2 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_{13} taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl

independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, $-S(O)R$, $-OP(O)O_2RR$, $-P(O)O_2RR$, $-C(O)OR$, $-NRR$, $-NRRR$, $-NC(O)R$, $-C(O)R$, $-C(O)NRR$, $-CN$, and $-OR$, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_{13} taken together with Y_3 or Y_4 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

Y_1 taken alone is selected from the group consisting of –H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, and heteroarylalkyl independently substituted with one or more Z_1, or Y_1 taken together with R_1, R_{11} or Y_2 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

Y_2 taken alone is selected from the group consisting of –H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, and heteroarylalkyl independently substituted with one or more Z_1, or Y_2taken together with R_1, R_{11} or Y_1 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

Y_3 taken alone is selected from the group consisting of –H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl

independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, and heteroarylalkyl independently substituted with one or more Z_1, or Y_3 taken together with R_4, R_5, R_6, R_{13} or Y_4 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

Y_4 is absent, or Y_4 taken alone is selected from the group consisting of –H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, and heteroarylalkyl independently substituted with one or more Z_1, or Y_4 taken together with R_4, R_5, R_6, R_{13} or Y_3 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1; and

Z_1 is selected from the group consisting of, -R, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, -O and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group.

2. The compound of **claim 1** wherein Y_1 is taken together with R_1 or R_{11} and is C_2 or C_3 alkyleno or alkyleno independently substituted with one or more Z_1, or Y_2 is taken together with R_1 or R_{11} and is C_2 or C_3 alkyleno or alkyleno independently substituted with one or more Z_1, or Y_3 is taken together with R_4 or R_5 or R_6 or R_{13} and is C_2 or C_3 alkyleno or alkyleno independently substituted with one or more Z_1, or Y_4 is taken together with R_4 or R_5 or R_6 or R_{13} and is C_2 or C_3 alkyleno or alkyleno independently substituted with one or more Z_1.

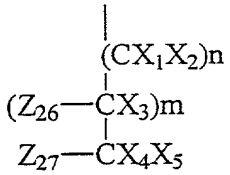
3. The compound of **claim 2** wherein the C_2 or C_3 substituted alkyleno is gem disubstituted with C_1 to C_3 alkyl.

4. The compound of **claim 3** wherein the C_2 or C_3 substituted alkyleno is gem disubstituted with methyl.

5. The compound of **claim 1** wherein R_8 is alkyl independently substituted with one or more substituents selected from the group consisting of halogen, –C(O)R, and $–S(O)_2R$ wherein R is independently selected from the group consisting of –OH, O-alkyl, $-NH_2$, N-alkyl and linking group.

6. The compound of **claim 1** wherein R_8 is $–CF_3$.

7. The compound of **claim 1** wherein R_8 is



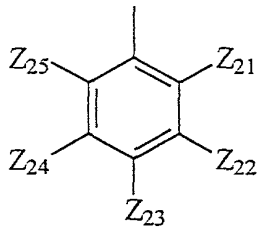
wherein Z_{26} and Z_{27} are each independently selected from the group consisting of hydrogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, -NC(O)R, R, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, and X_1, X_2, X_3, X_4, and X_5 are each independently selected from the group consisting of hydrogen, -Cl, -Br and –F, wherein n and m are integers each independently ranging from 0 to 5.

8. The compound of **claim 7** wherein X_1 and X_2 are –H.

9. The compound of **claim 7** wherein X_1, X_2, X_4, and X_5 are each –F.

10. The compound of **claim 1** wherein R_8 is aryl or aryl independently substituted with one or more Z_1.

11. The compound of **claim 1** wherein R_8 has the structure



wherein Z_{21}, Z_{22}, Z_{23}, Z_{24} and Z_{25} each taken separately are Z_1.

12. The compound of **claim 11** wherein Z_{21}, Z_{22}, Z_{23}, Z_{24} and Z_{25} are each independently selected from the group consisting of –H, halogen, C_1 to C_3 alkyl, -C(O)OR, -C(O)R, $-S(O)_2OR$, $-S(O)_2R$, and $-CH_2OR$, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group.

13. The compound of **claim 11** wherein one or more of Z_{21}, Z_{22}, Z_{23}, Z_{24} or Z_{25} is –Cl or -F.

14. The compound of **claim 11** wherein Z_{21} is -C(O)OH.

15. The compound of **claim 11** wherein Z_{21} is -C(O)OH and one of Z_{23} or Z_{24} is -C(O)OH.

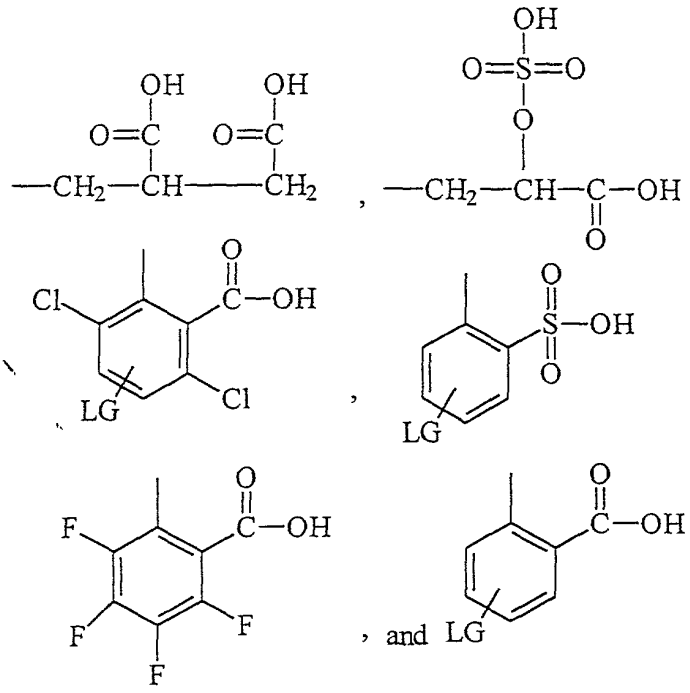
16. The compound of **claim 11** wherein Z_{22} and Z_{25} are each –Cl.

17. The compound of **claim 11** wherein Z_{22}, Z_{23}, Z_{24} and Z_{25} are each –F.

18. The compound of **claim 11** wherein Z_{21} is $-S(O)_2OH$ and one of Z_{23} or Z_{24} is –C(O)OH.

19. The compound of **claim 11** wherein Z_{21} is –C(O)OR and one of Z_{22}, Z_{23}, or Z_{24} is linking group.

20. The compound of **claim 1** wherein R_8 is selected from the group consisting of



wherein LG is linking group.

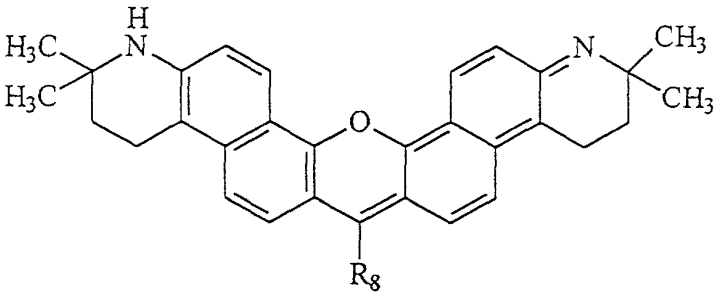
21. The compound of **claim 1** wherein at least one of Y_1, Y_2, Y_3, or Y_4 taken separately is selected from the group consisting of –H, alkyl, aryl and arylalkyl.

22. The compound of **claim 1** wherein one or more of R_1, R_4, R_5, R_6, R_7, R_9, R_{10}, R_{11} and R_{13} is each independently -$S(O)_2OH$.

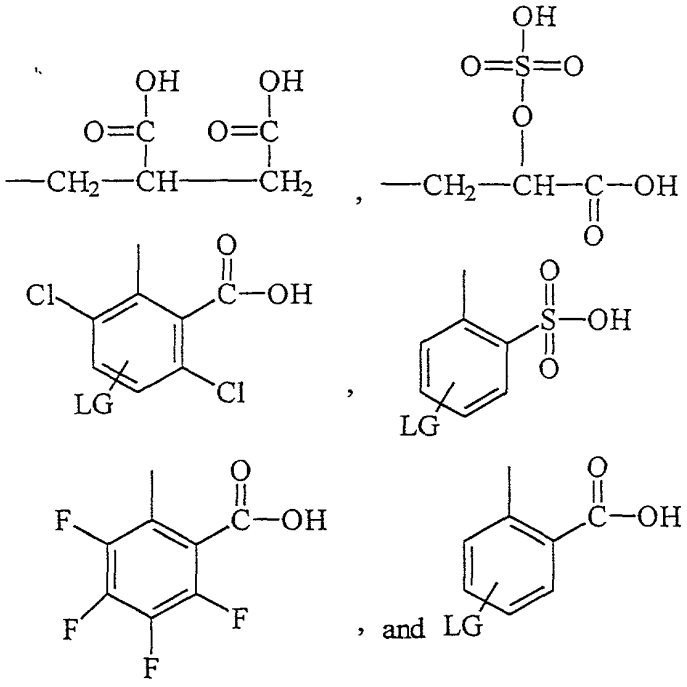
23. The compound of **claim 1** wherein one or more of R_1, R_4, R_5, R_6, R_7, R_9, R_{10}, R_{11} and R_{13} are each independently –F or –Cl.

24. The compound of **claim 1** wherein one or more of R_1, R_4, R_5, R_6, R_7, R_9, R_{10}, R_{11} and R_{13} is each independently aryl or aryl independently substituted with one or more Z_1.

25. The compound of **claim 1** having the structure

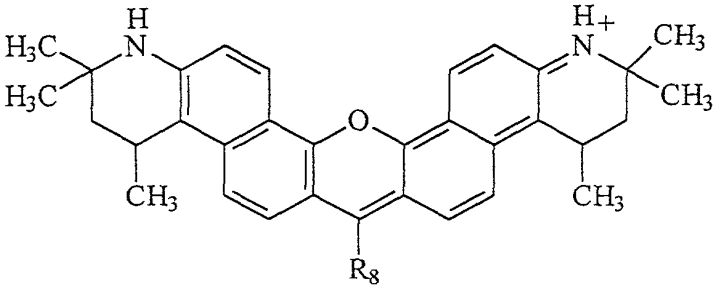


wherein R_8 is selected from the group consisting of

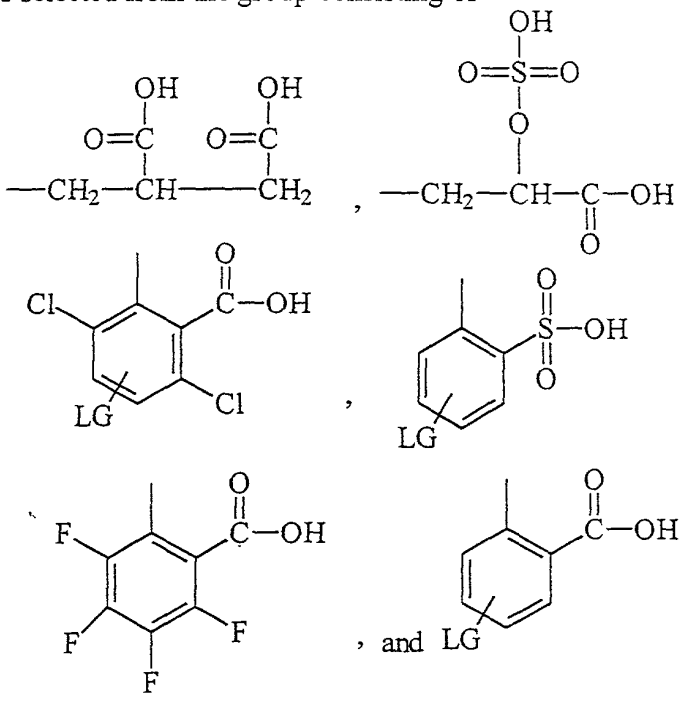


wherein LG is linking group.

26. The compound of **claim 1** having the structure

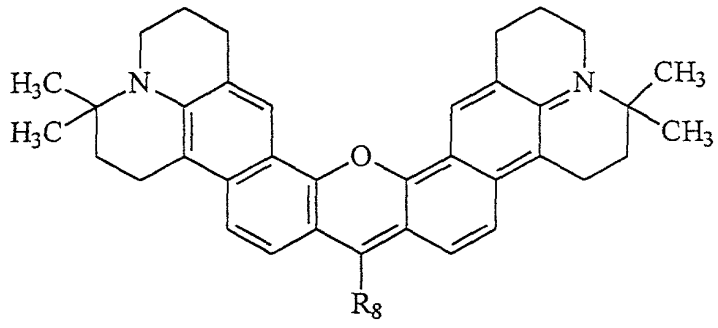


wherein R_8 is selected from the group consisting of

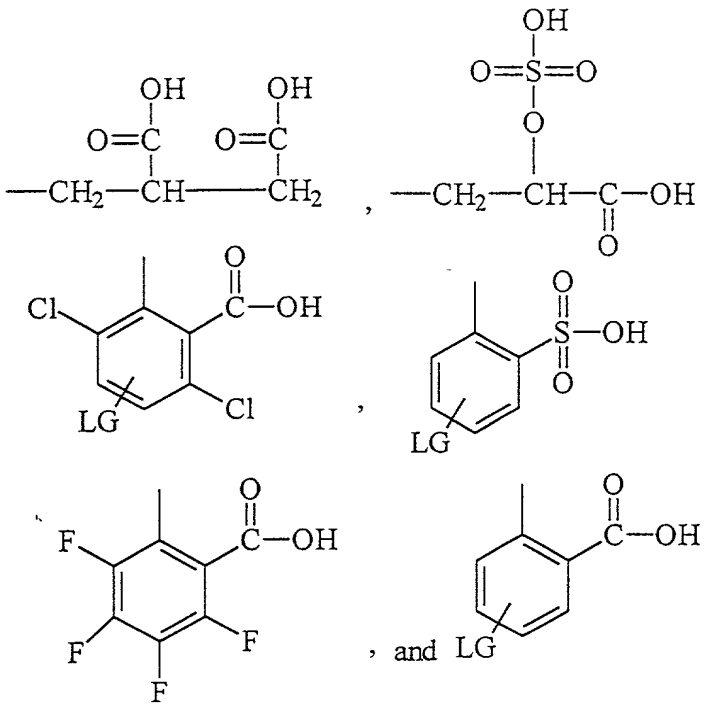


wherein LG is linking group.

27. The compound of **claim 1** having the structure

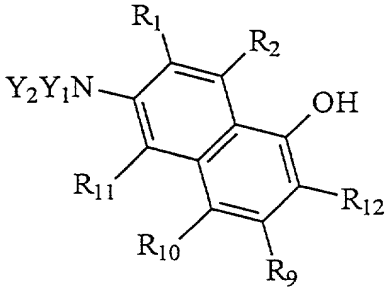


wherein R_8 is selected from the group consisting of



wherein LG is linking group.

28. An intermediate useful for the synthesis of extended rhodamine compounds having the structure



wherein

R_1 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted

with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_1 taken together with R_2, Y_1, or Y_2 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_2 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_2 taken together with R_1 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_8 is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1;

R_9 taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or

more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_9 taken together with R_{10} is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_{10} taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_{10} taken together with R_9 or R_{11} is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_{11} taken alone is selected from the group consisting of -H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, heteroarylalkyl independently substituted with one or more Z_1, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$,-C(O)O R, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR,–CN, and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group, or, R_{11} taken together with R_{10}, Y_1 or Y_2 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1,

aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

R_{12} is selected from the group consisting of –H and $–C(O)R_8$;

Y_1 taken alone is selected from the group consisting of –H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, and heteroarylalkyl independently substituted with one or more Z_1, or Y_1 taken together with R_1, R_{11} or Y_2 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1;

Y_2 taken alone is selected from the group consisting of –H, alkyl, alkyl independently substituted with one or more Z_1, heteroalkyl, heteroalkyl independently substituted with one or more Z_1, aryl, aryl independently substituted with one or more Z_1, heteroaryl, heteroaryl independently substituted with one or more Z_1, arylalkyl, arylalkyl independently substituted with one or more Z_1, heteroarylalkyl, and heteroarylalkyl independently substituted with one or more Z_1, or Y_2taken together with R_1, R_{11} or Y_1 is selected from the group consisting of alkyleno, alkyleno independently substituted with one or more Z_1, heteroalkyleno, heteroalkyleno independently substituted with one or more Z_1, aryleno, aryleno independently substituted with one or more Z_1, heteroaryleno, and heteroaryleno independently substituted with one or more Z_1; and

Z_1 is selected from the group consisting of, -R, halogen, $-OS(O)_2OR$, $-S(O)_2OR$, $-S(O)_2R$, $-S(O)_2NR$, -S(O)R, $-OP(O)O_2RR$, $-P(O)O_2RR$, -C(O)OR, -NRR, -NRRR, -NC(O)R, -C(O)R, -C(O)NRR, –CN, -O and -OR, wherein R is independently selected from the group consisting of –H, alkyl, heteroalkyl, aryl, heteroaryl, arylalkyl, heteroarylalkyl and linking group.

29. The compound of **claim 28** wherein Y_1 is taken together with R_1 or R_{11} and is C_2 or C_3 alkyleno or alkyleno independently substituted with one or more Z_1, or Y_2 is taken together

with R_1 or R_{11} and is C_2 or C_3 alkyleno or alkyleno independently substituted with one or more Z_1.

30. The compound of **claim 29** wherein the C_2 or C_3 substituted alkyleno is gem disubstituted with C_1 to C_3 alkyl.

31. The compound of **claim 30** wherein the C_2 or C_3 substituted alkyleno is gem disubstituted with methyl.

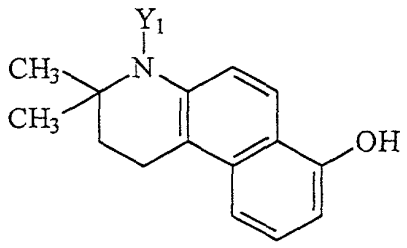
32. The compound of **claim 28** wherein at least one of Y_1 or Y_2 taken separately is selected from the group consisting of –H, alkyl, aryl and arylalkyl.

33. The compound of **claim 28** wherein one or more of R_1, R_2, R_9, R_{10} and R_{11} is each independently $-S(O)_2OH$.

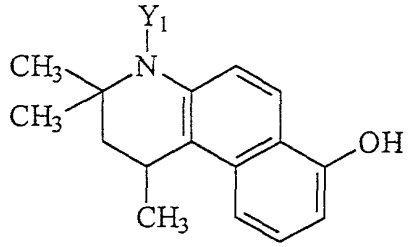
34. The compound of **claim 28** wherein one or more of R_1, R_2, R_9, R_{10} and R_{11} is each independently –F or –Cl.

35. The compound of **claim 28** wherein one or more of R_1, R_2, R_9, R_{10} and R_{11} is each independently aryl or aryl independently substituted with one or more Z_1.

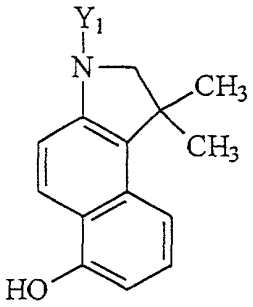
36. The compound of **claim 28** having the structure



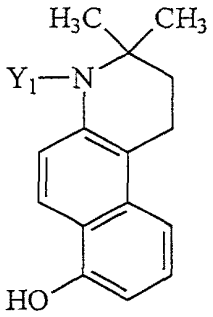
37. The compound of **claim 28** having the structure



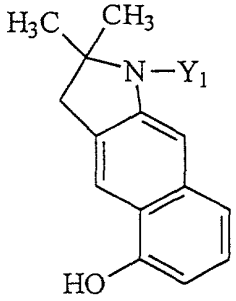
38. The compound of **claim 28** which is selected from the group consisting of



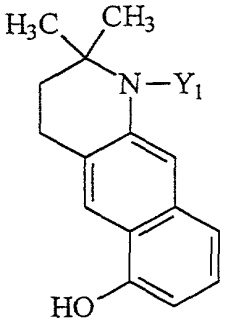
,



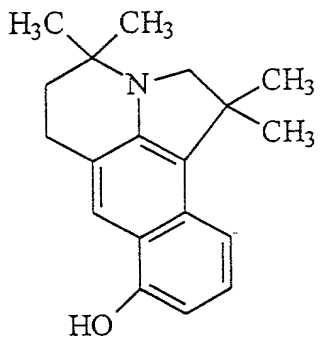
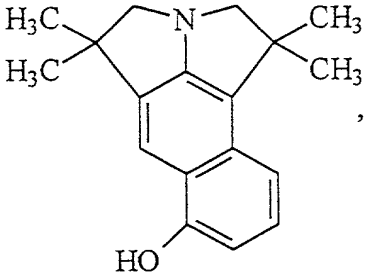
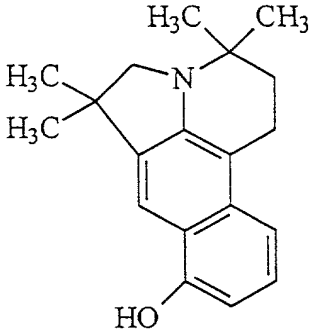
,

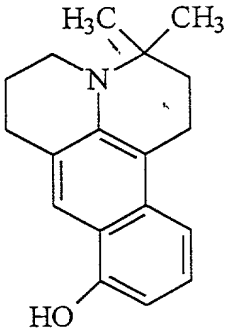


and



39. The compound of **claim 28** selected from the group consisting of


,

,


and ,

.

40. A labeled nucleoside/side having the formula:

NUC—L—D

wherein

NUC is a nucleoside/tide or nucleoside/tide analog;

L is a linkage;

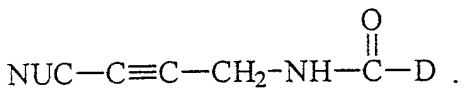
D is an extended rhodamine dye compound of **claim 1**;

wherein if NUC comprises a purine base, the linkage is attached to the 8-position of the purine, if NUC comprises a 7-deazapurine base, the linkage is attached to the 7-position of the 7-deazapurine, and if NUC comprises a pyrimidine base, the linkage is attached to the 5-position of the pyrimidine.

41. The labeled nucleoside/tide of **claim 40** wherein NUC comprises a base selected from the group consisting of uracil, cytosine, deazaadenine, and deazaguanosine.

42. The labeled nucleoside/tide of **claim 40** wherein NUC is a nucleotide terminator compound.

43. The labeled nucleoside/tide of **claim 40** having the structure



44. A method of fragment analysis comprising the steps of:

forming one or more labeled polynucleotide fragments, the fragments being labeled with an extended rhodamine compound of **claim 1**;

resolving the one or more labeled polynucleotide fragments; and

detecting the resolved labeled polynucleotide fragments.

45. The method of **claim 44** wherein the resolving step is an electrophoretic size-dependent separation process and the one or more labeled polynucleotide fragments are detected by fluorescence.